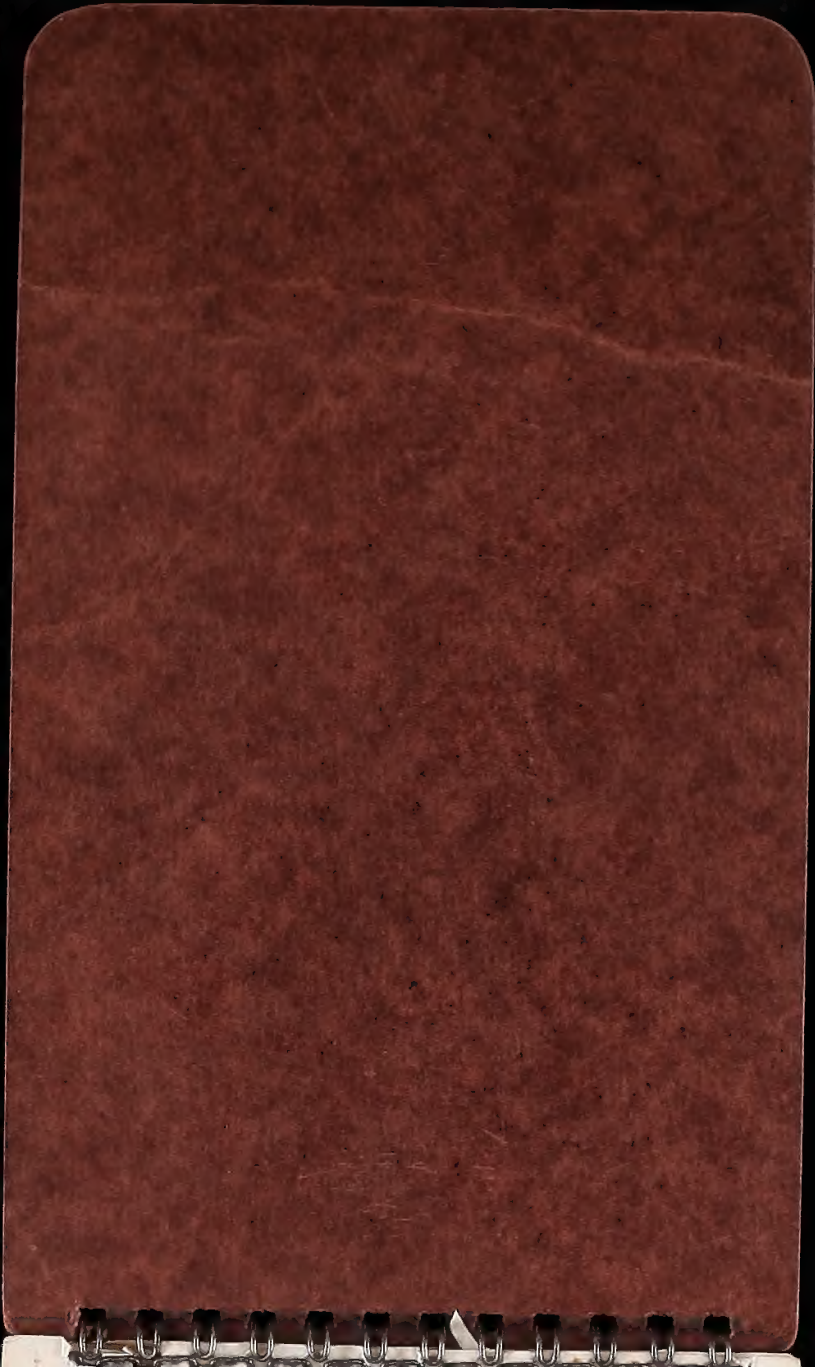


• 8937 - 9004
•
•





\$ 5.00 Reward
for return to

Arthur Cronquist
New York Botanical Garden
New York 58, N.Y.

Scientific data, of no
commercial value.

U.571

6937 - May 1, 1961

Sandy soil among scattered
pinons and junipers, at
low summit along highway
13 miles south ~~west~~ of
Moab, San Juan Co., Utah
Twp. 27 S., R. 23 E., S. 30.
Elevation 5600 feet

Flowers lavender

Gilia sinuata Dougl., sens. lat.
(the *G. inconspicua* phase)

Gilia aff. *sinuata* ①



8938 - May 1, 1961

Same place as 8937. Corolla
pink-purple, the banner
with a pale spot.

Astragalus thompsonae Wats.

det. R. C. Barneby

Astragalus s. tylosacces

(2)



8939 - May 1, 1961

Along northwest-facing
sandstone ledges in
open piñon-juniper wood-
land at low summit
along highway 13,
miles ~~southwest~~ of Moab,
San Juan Co., Utah. Twp. 27S,
R. 23E, S. 30. Elevation 5600 feet

Flamewelder.

Arabis selbyi Rydb.

88 - Mount

54.2 - lat long

47.0 km from

9443

Arabis flamewelder

(16) ✓

8946-May 2, 1961


With sagebrush and scattered
junipers in sandstone country
about Kane Springs, 15 miles
south of Moab, San Juan Co.,
Utah. Twp 28S., R. 22E., S1.

Elevation 5100 feet. Strongly
armed shrubs about 2 m. tall.

Flowers bright yellow,
very fragrant, attracting bees.

Berberis fremontii Torr.

Berberis (4)



8941. May 2, 1961 Open
pinon-juniper woodland
along roadside below the
southeast base of the Abajo
Mts., 8 miles north of
Blanding, San Juan Co., Utah.
Twp. 35 S., R. 23 E., S. 20.
Elevation about 6900 feet.
Flowers lavender to nearly
white.

Phlox hoodii Rich.

35.4

27.2 - *Phlox*

(7)



8942 - May 2, 1961. Weed in campground
under cottonwoods at mouth of
Arch Canyon, where it joins
Comb Wash, 18 miles southwest
of Blanding, San Juan Co., Utah.
Twp. 37S., R. 20E., S. 25. Elevation
5000 feet. Leaves glaucous. Sepals
purplish in bud, becoming
greenish-white. Petals light
yellow.

Streptanthella longirostris
(Wats.) Rydb.

Concifer

(17) ✓

8943 - May 3, 1961. Sandy
sagebrush flats at mouth
of Arch Canyon, where it
joins Comb Wash, 18 miles
southwest of Blanding, San
Juan Co., Utah. Twp. 37S.,
R. 20E., S. 25. Elevation
5000 feet. Flowers white

Oenothera albicaulis Pursh

Oenothera (35)



8944 - May 3, 1961 - Sandy
sagebrush flat at edge of
cottonwood grove at mouth
of Arch Canyon, where it joins
Cork Wash, 18 miles southwest
of Blanding, San Juan Co., Utah.
Twp. 37 S., R. 20 E., S. 25. Eleva-
tion 5000 feet.

Festuca octoflora Walt.

Vegetation

35



8945 - May 3, 1961 With
scattered junipers on
open, rocky sandstone slope
overlooking Comb Wash,
just below the mouth of
Arch Canyon, 18 miles
southwest of Blanding,
San Juan Co, Utah. Twp. 37S.,
R. 20E., S. 25. Elevation
about 5100 feet. Flowers
lavender to white.

Gilia sinuata Dougl., sens. lat.
(the *G. inconspicua* phase)

Gilia aff. *sinuata*

(35)

✓

8946 - May 3, 1961 Sandy
soil under cottonwoods at
mouth of Arch Canyon, where
it joins Comb Wash, 18 miles
southwest of Blanding, San
Juan Co., Utah. Twp. 37 S.,
R. 20 E., S. 25. Elevation about
5000 feet. Corolla lavender to
white. Growing with #8947,
G. sinuata sens. strict, but apparently
distinct.

Gilia sinuata Dougl., sens. lat.
(the *G. inconspicua* phase)

same as 8945

(4)



8947 - May 3, 1961. Same
place as 8946. Corolla lavender.
Herbage glaucous below the
inflorescence. Growing with
#8946, ~~but~~, but
apparently distinct.

Gilia sinuata Dougl.
sens. strict.

the "*G. inconspicua*" phase

Gilia (30)



8948. May 3, 1961. Same
place as 8945.

Petals purplish. Sepals
purple. tipped above a pale
yellow. green base. Herbage
glaucous.

Streptanthus cordatus
Nutt.

Streptanthus (D)



8949 - May 3, 1961.

Same place as 8945. Corolla
white with a prominent
yellow eye, the lobes reflexed,
the stamens large and erect.

Cryptantha fulvocanescens
(Gray) Pays.

Cryptantha (4)

8950 - May 3, 1961.

Gravelly soil of wash

entering Canib Wash from
Arch Canyon, 18 miles
southwest of Blanding,
San Juan Co., Utah

Twp. 37S., R. 20E., S. 25.

Elevation 5000 feet.

Flowers pink purple the
banner with a pale spot.

Astragalus thompsonae Wats.

det. R. C. Barneby

511

Astragalus 8 - *glaucus*

8951 May 3, 1961

Same place as 8950

Corolla pink - purple, the
lance with a pale spot

Astragalus amphioxys Gray
~~*Astragalus amphioxys* Gray~~

var. *vespertinus* (Sheld.) Jones

det. R. C. Barneby

Astragalus (2)
L. York

8952 - May 3, 1961

Same place as 8950.

Flowers pink-purple, the
banner with a pale spot.

Astragalus monumentalis
Barnaby

Astragalus ① ✓

8953 - May 3, 1961,
sandy soil along Comb
Wash at the outlet of Arch
Canyon, 18 miles southwest
of Blanding, San Juan Co., N.M.
Twp. 37 S., R. 20 E., S. 25.

Elevation about 5000 feet.
Flowers purplish, the
lower with a pale spot

Astragalus ceramicus Sheld.

Astragalus (1) ✓

8954 - May 3, 1961.

Same place as 8950.

Flowers yellow

Physaria australis (Payson) Wats.

Physaria (2)



8955 - May 3, 1961

With scattered junipers on
red sandstone slopes at
the foot of Comb Ridge, 18 miles
southwest of Blanding, San Juan
Co., Utah. Twp. 37S, R. 21E,
S. 30. Elevation 5100 feet.

Herbage glaucous. Flowers
bright red, diverging from
spectrum red in the direction
of carmine. ~~cruciform~~.

Penstemon utahensis ~~Eastw.~~
Eastw.

Penstemon

(21)

8956 - May 3, 1961, same
place as 8955, Flowers bright
yellow

Cryptantha flava (A. Nels.)
Payson

Greocarya

(5)



8957 - May 4, 1961 Ledges along
sandstone cliffs at the
mouth of Arch Canyon, where
it enters Comb Wash, 18 miles
southwest of Blanding,
San Juan Co., Utah. Twp.
37 S., R. 20 E., S. 25. Elevation
about 5000 feet. Plants now
mostly fruiting. Petals
small, notched at the tips,
white inside, brownish purple
outside.

Silene antirrhina L.

Silene () - 2000

8958. May 3, 1961. Same place
as 8955. Plants suffrutescent
below. Petals pale lavender,
the flowers rather showy.

Arabis pulchra Jones
var. *pallens* Jones

Arabis (3)

8551 May 1951. Gravelly
soil in high canyon a little
above where it flows into Comb
Wash, 18 miles southwest of Blending
San Juan Co., Utah. Twp 37S., R.
20E., S. 25. Elevation 5000 feet.
Corolla dull whitish, only very
faintly and obscurely anthers yellow.
Herbage slightly glaucous

Penstemon pachyphyllus Gray,
sens. lat.

whole *Penstemon* (2) ✓

5960 - May 5, 1961 - Gravelly
rocky soil of side slopes
and canyon bottom in Arch
Canyon, a little above where
it opens into Comb Wash, 18
miles southwest of Blanding,
San Juan Co., Utah. Twp.
37S, R. 28E, S25. Elevation
5000 feet. Stems several or
solitary from a woody caudex.
Leaves strongly crinkled at the
margins. Flowers secund,
inclined, the corolla scarlet,
very narrow.

Penstemon zlatani Gray
var. undosus Jones

red Penstemon

(4)



5921 May 5, 1961 sandy
soil in canyon bottom,
Arch Canyon, a little above
where it opens into Comb Wash,
18 miles southwest of Blanding,
San Juan Co., Utah. Twp. 37S,
R. 20E, S. 25. Elevation 5000 feet.
Flowers white, turning pinkish
in wilting.

Oenothera pallida Lindl.

Oenothera

(4)



8962 - May 5, 1961. Same
place as 8961. Flowers
blue purple. Pods mostly
still immature, becoming
strongly inflated and
mottled at maturity.

Astragalus ceramius Sheld.

det. R. C. Barneby

Astragalus (3) ✓

8903 May 5, 1961. Rocky
slopes below the cliffs in
Arch Canyon, a little above
where it opens into Comb Wash
18 miles southwest of
Blanding, San Juan Co., Utah.
Twp 37S, R. 20E, S. 25.
Elevation 5000 feet. Plants
growing in rather small
tufts.

Aristida glauca (Nutt.)
Walp.

Aristida 18



8964 - May 5, 1961.

Sandy and gravelly slopes and
canyon bottom in Arch Canyon,
— otherwise as 8963 —
Perianth pure white.

Abronia elliptica A. Nels.

Abronia (12)



8965 - May 5, 1965
Sandy soil in field
- same as 8964.
May penicill.

Townsendia incana Nutt.

Townsendia (2)

8966 - May 5, 1961. Rocky

slopes at foot of cliffs in
Cinch Canyon. Otherwise as
3965. Shrub about 1 m. tall.
Corolla tube purplish-pink,
the lobes paler, nearly white.

Symphoricarpos longiflorus Gray

5967 May 5, 1961.

Cliff crevices and gravelly slopes
in Arch Canyon, - otherwise
as 5963. Flowers yellow.

Lesquerella rectipes Woot. +
Standl.


Lesquerella (4) /

8765 - May 5, 1961. Cliff
crevices near the mouth of
Arch Canyon, just above
where it opens into Comb Wash,
18 miles southwest of Blanding,
San Juan Co, Utah. Twp. 37S.,
R. 20E., S. 25. Elevation 5000 ft.
Plants now mostly prostrate.
Rad deeply sulcate along the
lower suture.

Astragalus monumentalis Barneby

det R. C. Barneby

Astragalus (2)



8969 - May 5, 1961. Same
place as 8968. Heads yellow.
Leaves mostly about 13, some
only 8.

Hymenoxys leptoclada (Gray)

Hymenoxys (14) ✓

0970-May 8, 1961 In gravelly
soil (the pebbles water-worn)
along low ridge on U.S. highway
160.17 miles northwest of
Moab, Grand Co., Utah.
Twp. 24S., R. 20E., S. 8. Elevation
4600 feet. Heads rather
light yellow.

east of Bartlett Wash

Enceliopsis nutans (Eastw.)
A. Nels.

Enceliopsis cf. nutans (3) ✓

8 - May 8, 1961

Open gravelly slopes
associated with the "Mossi-
can Formation" (a pale
greenish, seleniferous shale)
just south of Bartlett
Wash, 16 miles northwest
of Moab, Grand Co., Utah.
Twp. 24 S, R. 20 E, S. 16.

Elevation 4500 feet. Sub-
shrubs with a coarse, woody
taproot, the persistent
woody aerial stems about
5-15 cm. high, the annual
flowering branches much
taller. Rays white to pale
lavender

Machaeranthera venusta
(Jones) Cronq. & Keck

Machaeranthera venusta g. m. m.



35

8972 - May 8, 1961

Same place as 8971.
Bracts scarlet to
almost vermilion.

Castilleja chromosa A. Nels.
Dupl. det. Marion Oumbly

Castilleja

(8)



8973 - June 9, 1961. Stony
and filled with water from
crystalline rocks: hillside
in the Colorado River Canyon
about 10 miles below Salt Wash,
~~the~~ northeast of Hesper, ^{Utah},
Grand Co., Utah, Twp. 24 S.,
R. 22 E., S. 33. Elevation 4500
feet. Not seen on the prevailing
red sandstone of the area.

Stems clustered and taproot,
widely ascending but not quite
prostrate, the flowering
branches more assurgent. Corolla
pink-purple, the banner with a
large central pale spot. Pods
more or less arcuate, mottled,
broadly reniform-obcordate
in section, the upper side
anticlinally ridged, the lower
side broadly sulcate, neither
suture evidently intruded.
Growing with # 8974.

A. lentiginos var. *palays*,
sharply distinct, without
evident hybrids.

Astragalus amphioxys Gray
var. *amphioxys* ~~≠~~

def. R. C. Barneby

Astragalus (montanus?)

(35)

8974 - May 9, 1911
Same place as 8973. Stems
clustered on a taproot,
loosely ascending. Leaves
somewhat glaucous. Flowers
lavender. Pods strongly
arcuate, broadly and shallowly
sulcate on the lower side,
the lower suture deeply
intreuded but not attached
to the opposite wall.
Growing with # 8973,
A. amphioxys, but
remaining sharply distinct,
without evident hybrids.

Astragalus lentiginosus Dougl.
var. *palauensis* (Jones) Jones

det. R. C. Barneby

Astragalus (Timm) 10.

8975. May 9, 1961


Same place as 8973. Rosettes
1 or 2 on the root crown,
the plant not caespitose.
Petals white, turning pink
when wilting

Oenothera caespitosa Nutt.
~~var. *sp.*~~ var. *jonesii* Munz

Oenothera aff. caespitosa

8976 - May 9, 1961
Lamprolaccas 8973

Erigeron pumilus Nutt.
ssp. *concinoides* Cronq.
var. *subglaber* Cronq.


Erigeron pumilus ssp. *concinoides*

8977 - May 9, 1961

Barren rocky slopes in canyon
overlooking the Colorado

River, just below Salt Wash,
~~to~~ northeast of Moab,

Grand Co., Utah. Twp. 24S.,

R. 22E., S. 33. Elevation 4500 feet.

Stems clustered and taproot.

F. laminae purplish. Pods firm,
thick-walled, wholly 1-celled,
slightly flattened on the upper
surface and with the seed-bearing
suture obscurely sulcate,
obtusely rounded on the opposite
side, the cross-section thus
somewhat cordate.

Astragalus praevisii Gray

det. R. C. Barneby

Astragalus

(1)

8973 - May 9, 1961
Barren, rocky slopes in the
canyon of the Colorado River
just below Salt Wash,
~~miles~~ northeast of Moab,
Grand Co., Utah. Twp 24 S.,
R. 22 E., S. 33. Elevation 4500
feet. Corolla white, with
an inconspicuous yellowish eye.

Cryptantha tenuis (Eastw.)
Payson

1035

1030

55

Cryptantha (oreocarya) (4)

8979 - May 10, 1961 - Very
sandy soil along dry wash
near the Green River, west
of Moab, San Juan Co. (a few
miles below the Grand Co. line),
Utah. Elevation 4000 feet.
Flowers pale lavender,
most white.

Gilia gunnisoni T. & G.

Gilia (3)



100 - May 10, 1955. Same
place as 3979. Rays bright
blue-lavender. Plants
abundant, but just beginning
to bloom.

Machaeranthera
tanacetifolia (HBK.) Nees

Machaeranthera tanacetifolia (10)



8981 - May 10, 1961 Same place
as 8979. Flowers white.

Cryptantha crassisepta
(T. & G.) Greene

Cryptantha

(12)

8987 Mar. 10 Sand
dune along dry wash near
the Green River, east of Moab,
San Juan Co. (a few miles south
of the Grand Co. line), Utah.
Elevation 4000 feet. Petals
white.

Dithyrea wizlizenii
Engelm.

Dithyrea (4)



8983 - May 10, 1961 - Sandy soil
in the canyon of the Green River,
west of Moab, San Juan Co.
(a few miles south of the Grand
Co. line), Utah. Elevation 4000
feet. Flowers white.

Eriogonum albidum marginatum
(Jones) Jones

Eriogonum

(8)



8984 May 10, 1961 Gravelly
ridge composed mainly
of water worn stones of
crystalline rock, quite dif-
ferent from the surrounding
sandstones, in the canyon
of the Green River, west
of Moab, San Juan Co. (a few
miles south of the Wayne Co.
line), Utah. Elevation 4000
feet. ~~Plants not seen elsewhere~~
~~in the area~~. Rays rich yellow;
disk dark red.

Gaillardia pinnatifida Torr.

Gaillardia

(11)



8985 - May 10, 1961 - same place as
8984 - Plants not seen on
the surrounding sandstones.
Flowers pink. Purple.

Astragalus amphioxys Gray

var. *amphioxys*

det. R. C. Barneby

Astragalus amphioxys

(8)

5 May 19 - Same
place as 3984. Flowers
blue-purple.

Phacelia crenulata Torr.,
sens. lat. (*P. corrugata* G. Nels.)

ex *Phacelia* (4)

8987- May 10, 1961. Same place
as 8984. Flowers closed
in the mid-day sun, opening
overnight in the vasculum.
(See end of book for additional
data for this number.)

Allionia (*Wedeliellia*) *incarnata*
L.

Nyctag.?

6

5985 May 10. 1964

Same place as 8984.

Flamers very pale, lavender,
almost white.

Gilia sinuata Dougl., sens. lat.
(the *G. inconspicua* phase)

Gilia aff. sinuata.

(3)

8989 - May 10, 1961 - Same

place as 8984. Branches
widely spreading, slightly
ascending, not prostrate.
Corolla minute, white.

Gilia polycladon Torr.

including 8984



3983 - Same
place as 3984. Not seen on
the surrounding sandstones. r

Mentzelia pterosperma
Eastw. e

Mentzelia

(6)

8991- May 13. - Bottoms

along the Green River, west
of Moab, San Juan Co. (a few
miles south of the Grand Co.
line), Utah. Elevation
about 4000 feet.

Crooked, shaggy-barked trees
about 10 or 12 m. tall, the
trunk 1-2 (3) dm. thick.

Leaves green on both sides.
Twigs gray or yellowish-gray.

Salix nigra L. Marsh.

var. *venulosa* (Anders.) Bebb
(= *S. gooddingii*)

Growing with *S. amygdaloides*
(#8992), and partly swamped
by hybridization. Note high
proportion of aborted capsules.

5792. May 10 1961

Battens along the Green River,
west of Moab, San Juan Co.
(a few miles south of the Grand
Co. line), Utah. Elevation
about 4000 feet. Crammed,
ragged-barked trees about
10 or 12 m. tall, the trunk
1-2 (3) dm. thick. Leaves
glaucous beneath. Twigs
gray or yellowish-gray.

Salix amygdaloides Anders.

Growing with *S. nigra*
var. *venulosa* (*S. gooddingii*), #
5991, and tending to swamp
out the latter by hybridization.

Willow. *Salix* *amygdaloides* ✓

8993 - May 10, 1961 - Rocky
sandstone slope above the
east bank of the Green River,
a little below Hell-Hearing
Canyon, west of Moab,
Grand Co. (near the San Juan Co.
line), Utah. Elevation 4000 feet.
Plant with the characteristic
odor of organic selenium. Stems
clustered at a taproot, loosely
erect-ascending; leaves narrow-lanceolate
glaucous; flowers lavender;
ped thick-walled, broadly sub-
cordate in cross section, with
slightly sulcate along the
upper suture, with the sulcus
interruptional.

Astragalus parviflorus Gray
det. R. C. Barneby

Astragalus 4 - same as

May 12, 1951 Rocky
sandy slope about the
east bank of Cottonwood, a
mile below Hell Roaring
Canyon, west of Hatch,
Grand Co. (near the San Juan
Co. line), Utah. Elevation
4000 feet. Subshrub from a
woody taproot, the stems
woody and persistent only
for about 5-10 (30) cm. above
the base; rays lavender. Plant
sweetly aromatic.

Soil ~~probably~~ seleniferous,
as shown by the presence of an
Astragalus (*A. preussii*)
with the characteristic odor
of organic selenium.

Nachae paritheria tortifolia (T. & G.)
Cronq. + Keck

var. *epilis* Cronq.

1165

(1 Holotype)

(13 Isotype)

Nachae paritheria tortifolia

8975 May 12, 1961. Sandy
soil in open piñon-juniper
woodland at low summit
along highway 13 miles south
of Moab, San Juan Co., Utah.
Twp. 27S, R. 23E, S. 30.
Elevation 5600 feet.
Flowers yellow.

Physaria australis (Payson)
Rollins

8975

(6)



Aug 12, 1911 - Same
as 8975. Herbage glaucous,
corolla a characteristic shade of
bright red, diverging from
spectrum red in the direction
of vermilion. Stems few or
solitary on a caudex.

Penstemon utahensis Eastw.

red *Penstemon* (4)

8997 May 12, 1961 - same place
as 8995. Stems numerous on
a taproot and branching
caudex. Flowers bright
pink-purple. Pods drooping.

~~Det.~~

Astragalus coltoni Jones
var. *moabensis* Jones

Det. R. C. Barneby

8 - May 12, 1961

Same place as 8995. Corolla
bright lavender-pink. Only
one plant seen

Burtonia moffattii Eastw.

Rich Burton (1)



8999. May 12, 1961

Same place as 8995. Corolla
blue-purple. Only a few
plants seen.

Penstemon moffattii Eastw.

Penstemon - (2)



9000 - 11/1/12

Same place as 8995.

Plants spreading below ground.

Corolla pale lavender which
→ almost white.

Phlox longifolia Nutt.
sens. lat.

Phlox longifolia (5) ✓

9001 - May 12, 1961

Same place as 8995. Stems
few or solitary. Corolla white,
usually with a yellow eye
consisting mainly of the farnices,
but varying to wholly white,
even on the same plant.

Farnices prominent, erect;
corolla lobes usually reflexed.

Cryptantha flavoculata
(A. Nels.) Payson



9002 - May 12, 1961

Rachy (sandstone) slopes
in open piñon-juniper
woodland at low summit
along the highway 13 miles
south of Mesquite, San Juan Co.,
N.M. Twp. 27S., R. 23E.,
S. 30. Elevation 5700 feet.
Plants only loosely matted,
with ascending or suberect
short stems, not pulvinate.
Corolla pale pink - lavender
to nearly white.

Phlox hoodii Rich.

Phlox - cf. *hoodii* (3) - ✓

9003 - May 12, 1961 - Sandy soil
in open pinon-juniper woodland at
low summit along highway 13 miles
south of Grant, San Juan Co., N.M.
Twp. 27S, R. 23E., S 30. Elev. 5600 ft.
Banner lavender; wings purple.
Pod wholly 1-celled, ~~neither~~
~~suture intruded~~, more or
less rounded. Triangular in
cross-section, neither suture
intruded.

Astragalus desperatus Jones

Det. R. C. Barneby

9001 - May 12, 1961

Low, cold in open pinon-juniper
woodland at low summit
along highway 13 miles south
of Hatch, San Juan Co., Utah.
Twp. 27S., R. 23E., S. 30. Elevation
5600 ft. Flowers bright
pink-purple. The banner ~~with~~
with a paler central spot.

Astragalus amphioxys Gray
var. *vespertinus* (Sheld.) Jones

det. R. C. Barneby

Lupinus (7)



3767.9 at summit

648.0 at 3000

3.5 at summit Pedes 6"

654.9 at summit (6000)

661.7 at Monticello

694.3 at Cynopterus

700.0 at Comb Wash

133. Line 13 - you mean

"exactly" information

or almost exactly information

? Q: How many in the state?

has no representative here.

P. 134. Line 7. "other" for "with"

P. 139 Q. 9. 8500 ft

P. 142 - Line 5. "from"

accompanying maps

P. 145 - Western

"Western" made for "Western"

P. 146 - Last line "have for" "has"

P. 147 Last line Any geographical

data with this type?

P. 153 - Last line - by

"Western" for "Western"

on "Western"

P. 157. Again "has for" "has"

P. 160 - Line 18. b. "has for" "has"

in last line you mean

more "Western" than anything else. "Western"

p. 76 - H. 2. sentence no. Why
should one "expect" a difference here?

p. 81. H. 1, last sentence.

Yet it is possible that
other species would prove
less variable.

p. 82 - line 13 - "were" for "was"

p. 83. H. 2. line 5 "are" for "is"

p. 84 - H. 3 - lines 1-2 "contains"
"is" is composed of "?"

p. 88 line 1 "is" for "are"

p. 88. 19. 2. line 3.

Should this be "unappreciated"?

Just a few lines

p. 92... line 7. "are" for "is"

p. 95. lines 1-4 "typical" for "normal"?

p. 101. line 4 from base anisotropic
misspelled

p. 102. 5. 2. lines 2-3 - incomplete sentence

p. 103. lines 2-3 - change "have"
in sentence "is designated"
underneath.

[illegible]

p. 15 - Fl. 3. line 2, "shows" for "show"

p. 15 - last line. *Berey* misspelled
and does the author
wish to express any
opinion here?

p. 22 - 1. last line. *phylium* misspelled

p. 23 - 2. line 2. *acromatic* misspelled

p. 25 - Fl. 3. lines 4, 8 - 1. elsewhere
acromatic should be *achromatic*?
! ~~acromatic~~

p. 28 - line 1. *phylium* misspelled

p. 28 - Fl. 2. lines 2-3 - *Spirigga* misspelled?

p. 32 - Does the author wish to be
stuck with the idea that there is
a 50-50 chance of the Cyperaceae being
polyphyletic? If not, some
change in phraseology is in order.

p. 37 - line 4 from bottom

"exist" for "exists"

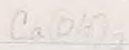
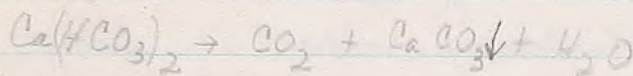
p. 45 - sentence 2 - does not hang
together grammatically.

The data for #8987.

Flower in groups of 3, 2 or flower
outlined by a space with knot,
and the whole group simulating
a single flower. Petals
corolla, bright pink-purple,
gamophyllous, very irregular,
4-lobed, the innermost lobes very
short, forming a vertical upper
lip, the other 3 well developed,
joined into a spreading, 3-lobed
lower lip, each lobe notched
at the tip. Stamens 4, style
1, with a separate stigma.

Extra data for #8987.

Flowers in groups of 3, each flower subtended by a sepal-like bract, and the whole group simulating a single flower. Perianth coralloid, bright pink-purple, gamophyllous, very irregular, 4-lobed, the innermost lobe very short, forming a vestigial upper lip, the other 3 well developed, joined into a spreading, 3-lobed lower lip, ^{with} each lobe notched at the tip. Stamens 4. Style 1, with a capitate stigma.



467.0 at junction Road Horse - Horse Thief

482.2 at bottom of canyon

489.5 at turn around

50.0 at next jet

92.5 at next turn around

94.8 at gravel ridge

999.8 at Willans

501.7 at canyon jet -

505.3 at turn around

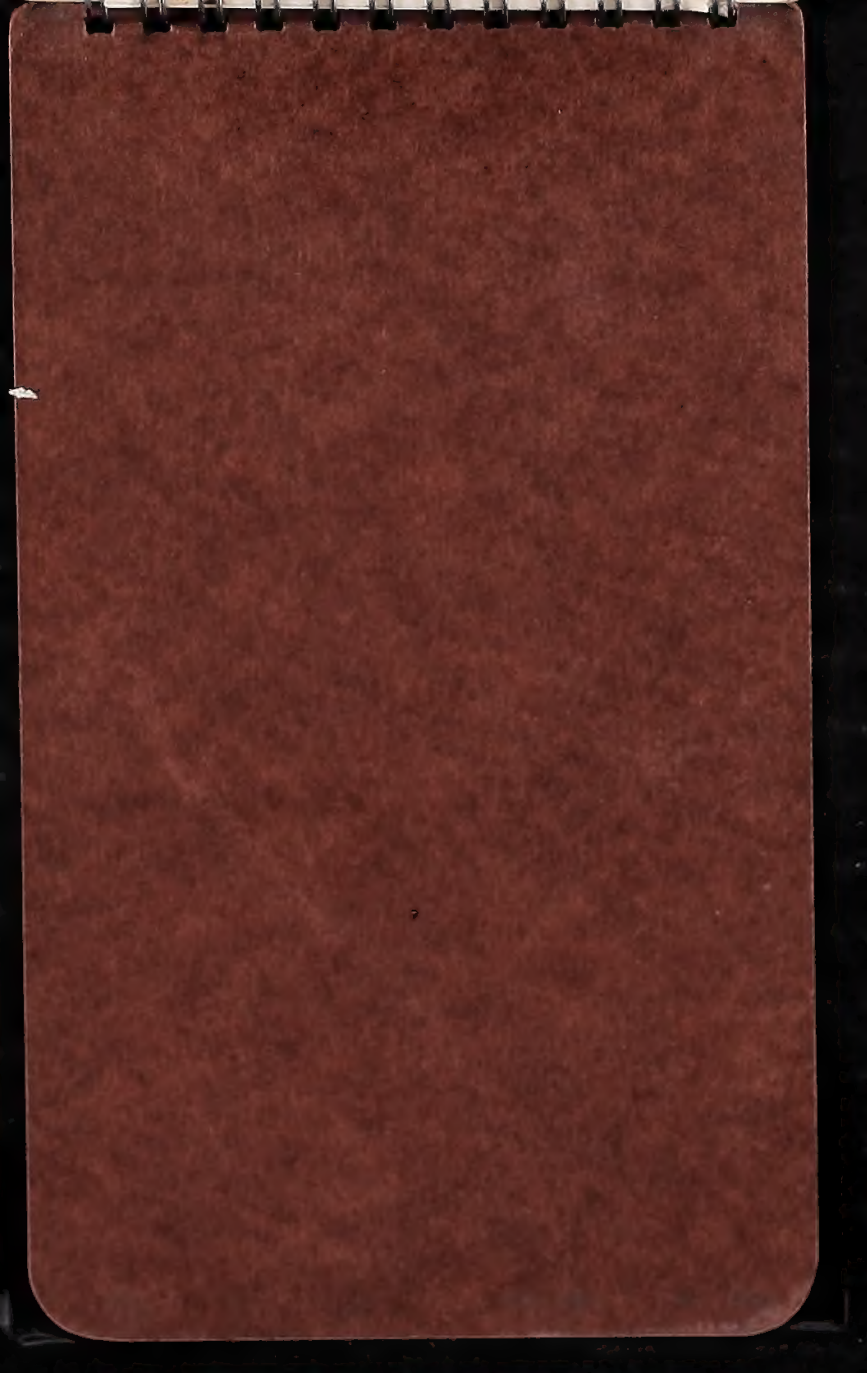
534.2 at jet on top -

34.5 at camp

447 at jet on top

57.3 at highway

75.1 at road



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